

AMENDED DECLARATION AND POWER OF ATTORNEY FOR U.S. NATIONAL PHASE PATENT APPLICATION CLAIMING PRIORITY TO PCT APPLICATION (37 CFR 1.63)

As below named inventors, we hereby declare that:

GROUP TOO Our residence, post office address and citizenship are as stated below next to our names

We believe that we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MACROSCOPICALLY MANIPULATE NANOSCALE DEVICES MADE FROM NANOTUBE ASSEMBLIES

the specification of which:

- is attached hereto; or
- was filed on November 30, 2001 as a Continuation Application Number 10/000,746 \boxtimes (Attorney Docket No. 11321-P011WUC1) of U.S. National Phase of 09/242,040 and PCT Application Number PCT/US97/13896 which published as WO 98/05920 on February 12, 1998, corresponding to United States Provisional Patent Application No. 60/023,732, filed August 8, 1996.

The following divisionals of United States Patent Application Serial No. 10/000,746 have been filed (the "Divisional Patent Applications"): TC

Appl. Serial No.	Att. Docket No.	Continuity Type:	Filing Date:
10/028,231	11321-P011C1D1	Divisional	December 21, 2001
10/027,671	11321-P011C1D2	Divisional	December 21, 2001= 5
10/038,204	11321-P011C1D3	Divisional	December 21, 2001=
10/027,753	11321-P011C1D4	Divisional	December 21, 2001;
10/036,684	11321-P011C1D5	Divisional	December 21, 2001
10/027,670	11321-P011C1D6	Divisional	December 21, 2001
10/027,750	11321-P011C1D7	Divisional	December 21, 2001.
10/027,726	11321-P011C1D8	Divisional	December 21, 2001
10/027,628	11321-P011C1D9	Divisional	December 21, 2001
10/027,668	11321-P011CD10	Divisional	December 21, 2001
10/027,568	11321-P011CD11	Divisional	December 21, 2001

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We hereby state that we have reviewed and understand the contents of the above identified specifications for each of the Applications, including the claims. We hereby authorize our attorney, or his representative, to insert the Application Number, filing and amendment dates.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR 1.56.

We hereby claim foreign priority benefits for each of the Applications under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cop	y Attached?
Trpphodion Tourison(s)		(Yes	No
[ORIGINAL BASE/PRIORITY APPLICATION]					☒

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Application No. 60/023,732

Official Filing Date August 8, 1996

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U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/US97/13896	8 August 1997	WO 98/05920

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POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Ross Spencer Garsson, Reg. No. 38,150 Hugh R. Kress, Reg. No. 36,574 Robert C. Shaddox, Reg. No. 34,011 Henry L. Ehrlich, Reg. No. 39,663 Timothy M. Donoughue, Reg. No. 46,668 Reece A. Scott, Reg. No. 41,297 Edward T. Mickelson, Reg. No. 50,413

of the law firm of WINSTEAD SECHREST & MINICK P.C. Please direct all correspondence to:

Ross Spencer Garsson, Esq.
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100 Congress Avenue, Suite 800
Austin, Texas 78701 USA

and direct all telephone calls to Ross Spencer Garsson, Esq. at 512-370-2870 and all facsimile communications to 512-370-2850.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

RESIDENCE:	1911 Milford St., H	louston, TX 77098 US	SA
INVENTOR'S SIGN	ATURE:		DATE:
FULL NAME OF FI	RST INVENTOR:	COLBERT, Daniel	rT.

United States of America

POST OFFICE ADDRESS: (Same as Residence)

CITIZENSHIP:

FULL NAME OF SE	ECOND INVENTOR: DAI, Hongjie	
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	365 Pescadero Terrace, Sunnyvale, CA	A 94086 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	
FULL NAME OF TH	HRD INVENTOR: HAFNER, Jason	Н.
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	373 Highland Ave. #203, Somerville, N	Aassachusetts 02144 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	
FULL NAME OF FO	OURTH INVENTOR: RINZLER, Andr	
	1713 SW 186 th St., Newberry, Florida	• •
CITIZENSHIP:	United States of America	
POST OFFICE ADD	PRESS: (Same as Residence)	•
FULL NAME OF FI	FTH INVENTOR: SMALLEY, Rich	nard E.
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	1816 Bolsover St., Houston, TX 77081	UŞA

United States of America

POST OFFICE ADDRESS: (Same as Residence)

CITIZENSHIP:

Attorney Docket No. 11321-P011 Series FULL NAME OF SIXTH INVENTOR: JIE LIU INVENTOR'S SIGNATURE: DATE: RESIDENCE: 5825 Gulfton, Apartment 3214 Houston, Texas 77081 CITIZENSHIP: U.S.A. POST OFFICE ADDRESS: (Same as Residence) FULL NAME OF SEVENTH INVENTOR: KENNETH A. SMITH INVENTOR'S SIGNATURE: DATE:____ RESIDENCE: 333 Dominion, Apartment 1334 Katy, Texas 77450 CITIZENSHIP: U.S.A. POST OFFICE ADDRESS: (Same as Residence) FULL NAME OF EIGHTH INVENTOR: TING GUO INVENTOR'S SIGNATURE: DATE: RESIDENCE: 2612 Calder Court Davis, California 95616 CITIZENSHIP: CHINA POST OFFICE ADDRESS: (Same as Residence) FULL NAME OF NINTH INVENTOR: PAVEL NIKOLAEV INVENTOR'S SIGNATURE: DATE:____ RESIDENCE: 2232 1/2 TROON Houston, Texas 77019 CITIZENSHIP: RUSSIA

FULL NAME OF TENTH INVENTOR: ANDREAS THESS

INVENTOR'S SIGNATURE: DATE:

RESIDENCE: Max-Planck-Institut Biochemie; Abteilung Molekulace,

Strukturbiologie am Klopferspitz 189, D-82152 Martinsried, Germany

CITIZENSHIP: GERMANY

POST OFFICE ADDRESS: (Same as Residence)

AUSTIN_1\208783\1 11321-P011WUC1 02/19/2003



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FULL NAME OF	FIRST INVENTOR:	COLBERT, Daniel T.
INVENTOR'S SIG	NATURE:	DATE:
RESIDENCE:	1911 Milford St., I	Houston, TX 77098 USA
CITIZENSHIP:	United States of A	merica

FULL NAME OF SE	COND INVENTOR:	DAI, Hongjie	
INVENTOR'S SIGNA	ATURE:		DATE:
RESIDENCE:	365 Pescadero Terr	ace, Sunnyvale, CA 94	4086 USA
CITIZENSHIP:	United States of An	nerica	
POST OFFICE ADD	RESS: (Same as Res	idence)	
FULL NAME OF TH	IIRD INVENTOR:	HAFNER, Jason H.	
INVENTOR'S SIGNA	ATURE:		DATE:
RESIDENCE:	373 Highland Ave.	#203, Somerville, Mas	ssachusetts 02144 USA
CITIZENSHIP:	United States of An	nerica	
POST OFFICE ADD	RESS: (Same as Res	sidence)	
FULL NAME OF FO	OURTH INVENTOR	: RINZLER, Andrew	· G.
INVENTOR'S SIGN	ATURE:		DATE:
RESIDENCE:	1713 SW 186 th St.,	Newberry, Florida 32	669 USA
CITIZENSHIP:	United States of Ar	nerica	
POST OFFICE ADD	RESS: (Same as Re	sidence)	1
)		·
FULL NAME OF FI	FTH INVENTOR:	SMALLEY, Richar	
INVENTOR'S SIGN	ATURE: Will.	Sulf	DATE: 2/20/03
RESIDENCE:	1816 Bolsover St.,	Houston, TX 77081 U	SA
CITIZENSHIP:	United States of A	merica	
POST OFFICE ADD	RESS: (Same as Re	sidence)	

11321-PU11 Sei	nes	
FULL NAME C	F SIXTH INVENTOR: JIE LIU	
INVENTOR'S S	SIGNATURE:	DATE:
RESIDENCE:	5825 Gulfton, Apartment 3214 Houston, Texas 77081	
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME (OF SEVENTH INVENTOR: KENNETH A. SMI	ТН
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	333 Dominion, Apartment 1334 Katy, Texas 77450	. 0.
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME (OF EIGHTH INVENTOR: TING GUO	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2612 Calder Court Davis, California 95616	
CITIZENSHIP	CHINA	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME	OF NINTH INVENTOR: PAVEL NIKOLAEV	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2232 ½ TROON Houston, Texas 77019	
CITIZENSHIP	: RUSSIA	

Attorney Docket No.

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AUSTIN_1\208783\1 11321-P011WUC1 02/19/2003



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FULL NAME OF FIRST INVENTOR:

COLBERT, Daniel T.

INVENTOR'S SIGNATURE

DATE: 1/25/03

RESIDENCE:

1911 Milford St., Houston, TX 77098 USA

CITIZENSHIP:

United States of America

FULL NAME OF SE	COND INVENTOR: DAI, Hongjie	
INVENTOR'S SIGNA	ATURE:	DATE:
RESIDENCE:	365 Pescadero Terrace, Sunnyvale, CA 94	1086 USA
CITIZENSHIP:	United States of America	/ 🏊
POST OFFICE ADD	RESS: (Same as Residence)	Sp. 14200
FULL NAME OF TH	IIRD INVENTOR: HAFNER, Jason H.	GROUP 1700
INVENTOR'S SIGNA	ATURE:	DATE:
RESIDENCE:	373 Highland Ave. #203, Somerville, Mas	sachusetts 02144 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	
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CITIZENSHIP:	United States of America	
PÓST OFFICE ADD	RESS: (Same as Residence)	
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INVENTOR'S SIGNA	ATURE:	DATE:
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RESIDENCE: 2232 ½ TROON

Houston, Texas 77019

INVENTOR'S SIGNATURE:

CITIZENSHIP: RUSSIA

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DATE:

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INVENTOR'S SIGNATURE: DATE:

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10/027,726	11321-P011C1D8	Divisional	December 21, 2001
10/027,628	11321-P011C1D9	Divisional	December 21, 2001
10/027,668	11321-P011CD10	Divisional	December 21, 2001
10/027,568	11321-P011CD11	Divisional	December 21, 2001

We further believe that we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the inventions of these Divisional Patent Applications.

Collectively, United States Patent Application Serial No. 10/000,746 and the Divisional Patent Applications are the "Applications".

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cor	by Attached?
				Yes	No
[ORIGINAL BASE/PRIORITY APPLICATION]					×

We hereby claim the benefit for each of the Applications under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application No. 60/023,732

Official Filing Date
August 8, 1996

We hereby claim the benefit for each of the Applications under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number PCT/US97/13896	Parent Filing Date (MM/DD/YYYY) 8 August 1997	Parent Patent Number (if applicable) WO 98/05920

For each of the Divisional Patent Applications, we further claim the benefit under 35 U.S.C. 120 of United States Patent Application Serial No. 10/000,746, and, insofar as the subject matter of each of the claims of any of the Divisional Patent Application is not disclosed in the this prior United States application in the manner provided by the first paragraph of 35 U.S.C. 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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Hugh R. Kress, Reg. No. 36,574
Robert C. Shaddox, Reg. No. 34,011
Henry L. Ehrlich, Reg. No. 39,663
Timothy M. Donoughue, Reg. No. 46,668
Reece A. Scott, Reg. No. 41,297
Edward T. Mickelson, Reg. No. 50,413

of the law firm of WINSTEAD SECHREST & MINICK P.C. Please direct all correspondence to:

Ross Spencer Garsson, Esq.
WINSTEAD SECHREST & MINICK P.C.
100 Congress Avenue, Suite 800
Austin, Texas 78701 USA

and direct all telephone calls to Ross Spencer Garsson, Esq. at 512-370-2870 and all facsimile communications to 512-370-2850.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF	FIRST INVENTOR:	COLBERT, Dan	iel T.
INVENTOR'S SIG	GNATURE:		DATE:
RESIDENCE:	1911 Milford St., I	Houston, TX 77098	USA

CITIZENSHIP: United States of America

Attorney Docket No. 11321-P011 Series FULL NAME OF SECOND INVENTOR: DAI, Hongjie DATE: 2/27/03 INVENTOR'S SIGNATURE: RESIDENCE: 365 Pescadero Terrace, Sunnyvale, CA 94086 USA CITIZENSHIP: United States of America POST OFFICE ADDRESS: (Same as Residence) FULL NAME OF THIRD INVENTOR: HAFNER, Jason H. INVENTOR'S SIGNATURE:_ DATE: RESIDENCE: 373 Highland Ave. #203, Somerville, Massachusetts 02144 USA CITIZENSHIP: United States of America POST OFFICE ADDRESS: (Same as Residence) FULL NAME OF FOURTH INVENTOR: RINZLER, Andrew G. INVENTOR'S SIGNATURE: 1713 SW 186th St., Newberry, Florida 32669 USA RESIDENCE: CITIZENSHIP: United States of America POST OFFICE ADDRESS: (Same as Residence) FULL NAME OF FIFTH INVENTOR: SMALLEY, Richard E. INVENTOR'S SIGNATURE:_ DATE:

1816 Bolsover St., Houston, TX 77081 USA

RESIDENCE:

CITIZENSHIP:

United States of America

11321-P011 Ser	ies	
FULL NAME O	F SIXTH INVENTOR: JIE LIU	
INVENTOR'S S	IGNATURE:	DATE:
	5825 Gulfton, Apartment 3214 Houston, Texas 77081	
CITIZENSHIP:	U,S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME C	OF SEVENTH INVENTOR: KENNETH A. SMI	тн
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	333 Dominion, Apartment 1334 Katy, Texas 77450	
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	•
FULL NAME (OF EIGHTH INVENTOR: TING GUO	·
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2612 Calder Court Davis, California 95616	
CITIZENSHIP	: CHINA	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME	OF NINTH INVENTOR: PAVEL NIKOLAEV	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2232 ½ TROON Houston, Texas 77019	
CITIZENSHI	P: RUSSIA	

Attorney Docket No.

FULL NAME OF TENTH INVENTOR: ANDREAS THESS

INVENTOR'S SIGNATURE:_____ DATE:____

RESIDENCE: Max-Planck-Institut Biochemie; Abteilung Molekulace,

Strukturbiologie am Klopferspitz 189, D-82152 Martinsried, Germany

CITIZENSHIP: GERMANY

POST OFFICE ADDRESS: (Same as Residence)

AUSTIN_1\208783\1 11321-P011WUC1 02/19/2003



SROUP 1200 THE CEIVEL SPOUP 1200 THE CEIVEL AMENDED DECLARATION AND POWER OF ATTORNEY FOR U.S. NATIONAL PHASE PATENT APPLICATION **CLAIMING PRIORITY TO PCT APPLICATION** (37 CFR 1.63)

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our name

We believe that we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MACROSCOPICALLY MANIPULATE NANOSCALE DEVICES MADE FROM NANOTUBE ASSEMBLIES

the specification of which:

- is attached hereto; or
- \times was filed on November 30, 2001 as a Continuation Application Number 10/000,746 (Attorney Docket No. 11321-P011WUC1) of U.S. National Phase of 09/242,040 and PCT Application Number PCT/US97/13896 which published as WO 98/05920 on February 12, 1998, corresponding to United States Provisional Patent Application No. 60/023,732, filed August 8, 1996.

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10/038,204	11321-P011C1D3	Divisional	December 21, 2001
10/027,753	11321-P011C1D4	Divisional	December 21, 2001
10/036,684	11321-P011C1D5	Divisional	December 21, 2001
10/027,670	11321-P011C1D6	Divisional	December 21, 2001
10/027,750	11321-P011C1D7	Divisional	December 21, 2001
10/027,726	11321-P011C1D8	Divisional	December 21, 2001
10/027,628	11321-P011C1D9	Divisional	December 21, 2001
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[ORIGINAL BASE/PRIORITY APPLICATION]					⊠

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PCT/US97/13896	8 August 1997	WO 98/05920

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FULL NAME OF FIR	RST INVEN	TOR:	COLBERT	C, Daniel T.
INVENTOR'S SIGNA	ATURE:		1	DATE:
RESIDENCE:	1911 Milfor	rd St., Ho	uston, TX 7	7098 USA
CITIZENSHIP:	United Stat	tes of Am	erica	

FULL NAME OF SE	ECOND INVENTOR: DAI, Hongjie	
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	365 Pescadero Terrace, Sunnyvale, CA 9	4086 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	PRESS: (Same as Residence)	
	HIRD INVENTOR: HAFNER, Jason H.	
INVENTOR'S SIGN	ATURE: (pr. /f	DATE: 0706783
RESIDENCE:	373 Highland Ave. #203, Somerville, Mas 3610 Underwood, Itouston, Texas, United States of America	rachusetts 02144 USA
CITIZENSHIP:	United States of America	,
POST OFFICE ADD	RESS: (Same as Residence)	
FULL NAME OF FO	OURTH INVENTOR: RINZLER, Andrew	G.
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	1713 SW 186 th St., Newberry, Florida 32	669 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	PRESS: (Same as Residence)	
FULL NAME OF FI	FTH INVENTOR: SMALLEY, Richar	d E.
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	1816 Bolsover St., Houston, TX 77081 US	SA
CITIZENSHIP:	United States of America	
DOCT OFFICE ADD	DECC. (Some of Decidence)	

Attorney Dock 11321-P011 Sei		
FULL NAME C	F SIXTH INVENTOR: JIE LIU	
INVENTOR'S S	SIGNATURE:	DATE:
RESIDENCE:	5825 Gulfton, Apartment 3214 Houston, Texas 77081	
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME (OF SEVENTH INVENTOR: KENNETH A. SM	ПТН
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	333 Dominion, Apartment 1334 Katy, Texas 77450	
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
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INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2612 Calder Court Davis, California 95616	•
CITIZENSHIP:	CHINA	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME (OF NINTH INVENTOR: PAVEL NIKOLAEV	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2232 ½ TROON Houston, Texas 77019	
CITIZENSHIP:	RUSSIA	

FULL NAME OF TENTH INVENTOR: ANDREAS THESS

INVENTOR'S SIGNATURE: ____ DATE: ____

RESIDENCE: Max-Planck-Institut Biochemie; Abteilung Molekulace,

Strukturbiologie am Klopferspitz 189, D-82152 Martinsried, Germany

CITIZENSHIP: GERMANY

POST OFFICE ADDRESS: (Same as Residence)

AUSTIN_1\208783\1 11321-P011WUC1 02/19/2003



AMENDED DECLARATION AND POWER OF ATTORNEY FOR U.S. NATIONAL PHASE PATENT APPLICATION CLAIMING PRIORITY TO PCT APPLICATION (37 CFR 1.63)

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of the law firm of WINSTEAD SECHREST & MINICK P.C. Please direct all correspondence to:

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COLBERT, Daniel T.

INVENTOR'S SIGNA	ATURE:	DATE:
RESIDENCE:	1911 Milford St., Houston, TX	X 77098 USA

CITIZENSHIP: United States of America

FULL NAME OF FIRST INVENTOR:

FULL NAME OF SECOND INVENTOR: DAI, Hongjie

INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	365 Pescadero Terrace, Sunnyvale, CA 94	4086 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	
FULL NAME OF TH	HIRD INVENTOR: HAFNER, Jason H.	
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	373 Highland Ave. #203, Somerville, Mas	sachusetts 02144 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	
FULL NAME OF FO	OURTH INVENTOR: RINZLER, Andrew	G.
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RESIDENCE:	1713 SW 186 th St., Newberry, Florida 326	669 USA
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	
FULL NAME OF FI	FTH INVENTOR: SMALLEY, Richard	i E.
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	1816 Bolsover St., Houston, TX 77081 US	A
CITIZENSHIP:	United States of America	
POST OFFICE ADD	RESS: (Same as Residence)	

FULL NAME	OF SIXTH INVENTOR: JIE JAU	,	
INVENTOR'S	SIGNATURE:	DATE: 02/21/63	
RESIDENCE:	Housian Vexus 4708 LV Chapel Hill		Al 02/21/03
CITIZENSHIE	P: U.S.A.		
POST OFFICE	E ADDRESS: (Same as Residence)	·	
FULL NAME	OF SEVENTH INVENTOR: KENNETH A. SM	ПТН	
INVENTOR'S	SIGNATURE:	DATE:	_
RESIDENCE:	333 Dominion, Apartment 1334 Katy, Texas 77450		
CITIZENSHIP	: U.S.A.		
POST OFFICE	ADDRESS: (Same as Residence)		
FULL NAME (OF EIGHTH INVENTOR: TING GUO	•	
INVENTOR'S	SIGNATURE:	DATE:	
RESIDENCE:	2612 Calder Court Davis, California 95616		_
CITIZENSHIP:	CHINA		
POST OFFICE	ADDRESS: (Same as Residence)		
FULL NAME O	OF NINTH INVENTOR: PAVEL NIKOLAEV		
INVENTOR'S S	SIGNATURE:	DATE:	
	2232 ½ TROON Houston, Texas 77019		-
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FULL NAME OF TENTH INVENTOR: ANDREAS THESS

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JUL 1 4 7003 GROUP 1700

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Co	py Attached?
				Yes	No
[ORIGINAL BASE/PRIORITY APPLICATION]					×

We hereby claim the benefit for each of the Applications under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application No. 60/023,732

Official Filing Date
August 8, 1996

We hereby claim the benefit for each of the Applications under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/US97/13896	8 August 1997	WO 98/05920

For each of the Divisional Patent Applications, we further claim the benefit under 35 U.S.C. 120 of United States Patent Application Serial No. 10/000,746, and, insofar as the subject matter of each of the claims of any of the Divisional Patent Application is not disclosed in the this prior United States application in the manner provided by the first paragraph of 35 U.S.C. 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Ross Spencer Garsson, Reg. No. 38,150
Hugh R. Kress, Reg. No. 36,574
Robert C. Shaddox, Reg. No. 34,011
Henry L. Ehrlich, Reg. No. 39,663
Timothy M. Donoughue, Reg. No. 46,668
Reece A. Scott, Reg. No. 41,297
Edward T. Mickelson, Reg. No. 50,413

of the law firm of WINSTEAD SECHREST & MINICK P.C. Please direct all correspondence to:

Ross Spencer Garsson, Esq.
WINSTEAD SECHREST & MINICK P.C.
100 Congress Avenue, Suite 800
Austin, Texas 78701 USA

and direct all telephone calls to Ross Spencer Garsson, Esq. at 512-370-2870 and all facsimile communications to 512-370-2850.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FI	RST INVENTOR:	COLBERT, Daniel T.
INVENTOR'S SIGN	ATURE:	DATE:
RESIDENCE:	1911 Milford St., Houston, TX 77098 USA	
CITIZENSHIP:	United States of A	merica

FULL NAME OF S	ECOND INVENTOR:	DAI, Hongjie	
INVENTOR'S SIGN	NATURE:	DA'	TE:
RESIDENCE:	ESIDENCE: 365 Pescadero Terrace, Sunnyvale, CA 94086 USA		
CITIZENSHIP:	United States of Am	erica	
POST OFFICE AD	ORESS: (Same as Resi	dence)	
FULL NAME OF T	HIRD INVENTOR:	HAFNER, Jason H.	
INVENTOR'S SIGN	NATURE:	DA	TE:
RESIDENCE:	373 Highland Ave. #	203, Somerville, Massach	usetts 02144 USA
CITIZENSHIP:	United States of Am	erica	
POST OFFICE AD	DRESS: (Same as Resi	dence)	
FULL NAME OF F	OURTH INVENTOR:	RINZLER, Andrew G.	-
INVENTOR'S SIGN	NATURE:	DA	TE:
RESIDENCE:	1713 SW 186 th St., N	lewberry, Florida 32669 U	JSA
CITIZENSHIP:	United States of Am	erica	
POST OFFICE AD	DRESS: (Same as Resi	dence)	
FULL NAME OF F	IFTH INVENTOR:	SMALLEY, Richard E.	
INVENTOR'S SIGI	NATURE:	DA	TE:
RESIDENCE:	1816 Bolsover St., H	ouston, TX 77081 USA	
CITIZENSHIP:	United States of Am	erica	
POST OFFICE AD	DRESS: (Same as Resi	dence)	

CONTRACTOR COMMENTS CONTRACTOR

11321-P011 Se	ries	
FULL NAME (OF SIXTH INVENTOR: JIE LIU	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	5825 Gulfton, Apartment 3214 Houston, Texas 77081	
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
	OF SEVENTH INVENTOR: KENNETH A. SMI SIGNATURE: Vermeth 1. Smh	
•	333 Dominion, Apartment 1334 Katy, Texas 77450	
CITIZENSHIP:	U.S.A.	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME (OF EIGHTH INVENTOR: TING GUO	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2612 Calder Court Davis, California 95616	
CITIZENSHIP	CHINA	
POST OFFICE	ADDRESS: (Same as Residence)	
FULL NAME (OF NINTH INVENTOR: PAVEL NIKOLAEV	
INVENTOR'S	SIGNATURE:	DATE:
RESIDENCE:	2232 ½ TROON Houston, Texas 77019	
CITIZENSHIP	RUSSIA	

Attorney Docket No.

FULL NAME OF TENTH INVENTOR: ANDREAS THESS

INVENTOR'S SIGNATURE: _____ DATE: ____

RESIDENCE: Max-Planck-Institut Biochemie; Abteilung Molekulace,

Strukturbiologie am Klopferspitz 189, D-82152 Martinsried, Germany

CITIZENSHIP: GERMANY

POST OFFICE ADDRESS: (Same as Residence)

AUSTIN_1\208783\1 11321-P011WUC1 02/19/2003



AMENDED DECLARATION AND POWER OF ATTORNEY FOR U.S. NATIONAL PHASE PATENT APPLICATION CLAIMING PRIORITY TO PCT APPLICATION (37 CFR 1.63)

RECEIVED
JUL 1 4 7003
GROUP 1700

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe that we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MACROSCOPICALLY MANIPULATE NANOSCALE DEVICES MADE FROM NANOTUBE ASSEMBLIES

the specification of which:

is attached hereto; or

was filed on November 30, 2001 as a Continuation Application Number 10/000,746 (Attorney Docket No. 11321-P011WUC1) of U.S. National Phase of 09/242,040 and PCT Application Number PCT/US97/13896 which published as WO 98/05920 on February 12, 1998, corresponding to United States Provisional Patent Application No. 60/023,732, filed August 8, 1996.

The following divisionals of United States Patent Application Serial No. 10/000,746 have been filed (the "Divisional Patent Applications"):

Appl. Serial No.	Att. Docket No.	Continuity Type:	Filing Date:
10/028,231	11321-P011C1D1	Divisional	December 21, 2001
10/027,671	11321-P011C1D2	Divisional	December 21, 2001
10/038,204	11321-P011C1D3	Divisional	December 21, 2001
10/027,753	11321-P011C1D4	Divisional	December 21, 2001
10/036,684	11321-P011C1D5	Divisional	December 21, 2001
10/027,670	11321-P011C1D6	Divisional	December 21, 2001
0/027,750	11321-P011C1D7	Divisional	December 21, 2001
10/027,726	11321-P011C1D8	Divisional	December 21, 2001
0/027,628	11321-P011C1D9	Divisional	December 21, 2001
0/027,668	11321-P011CD10	Divisional	December 21, 2001
0/027,568	11321-P011CD11	Divisional	December 21, 2001

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[ORIGINAL BASE/PRIORITY APPLICATION]	·				×

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Robert C. Shaddox, Reg. No. 34,011
Henry L. Ehrlich, Reg. No. 39,663
Timothy M. Donoughue, Reg. No. 46,668
Reece A. Scott, Reg. No. 41,297
Edward T. Mickelson, Reg. No. 50,413

of the law firm of WINSTEAD SECHREST & MINICK P.C. Please direct all correspondence to:

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F	ULL NAME OF FIRST INVENTOR:	COLBERT, Daniel T.			
Û	NVENTOR'S SIGNATURE:	DATE:			
F	ESIDENCE: 1911 Milford St.,	Houston, TX 77098 USA			
C	TTIZENSHIP: United States of A	America			
F	OST OFFICE ADDRESS: (Same as Residence)				

Attorney Docket N 11321-P011 Series	0.	
FULL NAME OF S	SECOND INVENTOR	: DAI, Hongjie
INVENTOR'S SIG	NATURE:	DATE:
RESIDENCE:	365 Pescadero Te	rrace, Sunnyvale, CA 94086 USA
CITIZENSHIP:	United States of A	merica
POST OFFICE AD	DRESS: (Same as R	esidence)
FULL NAME OF	THIRD INVENTOR:	HAFNER, Jason H.
INVENTOR'S SIG	GNATURE:	DATE:
li .		e. #203, Somerville, Massachusetts 02144 USA
CITIZENSHIP:	United States of A	America
POST OFFICE A	DDRESS: (Same as I	(esidence)
FULL NAME OF	FOURTH INVENTO	OR: RINZLER, Andrew G.
INVENTOR'S SI	GNATURE:	DATE:
RESIDENCE:	1713 SW 186 th S	t., Newberry, Florida 32669 USA
CITIZENSHIP:	United States of	America
POST OFFICE A	DDRESS: (Same as	Residence)
FULL NAME O	F FIFTH INVENTOR	SMALLEY, Richard E.
ENVENTOR'S S	IGNATURE:	DATE:
RESIDENCE:	1816 Bolsover S	St., Houston, TX 77081 USA
CITIZENSHIP:	United States of	f America
FOST OFFICE	ADDRESS: (Same as	Residence)

Attorney Docket No. 11821-P011 Series	
FULL NAME OF SIXTH INVENTOR: JIE LIU	
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 5825 Gulfton, Apartment 3214 Houston, Texas 77081	
CITIZENSHIP: U.S.A.	
POST OFFICE ADDRESS: (Same as Residence)	
FULL NAME OF SEVENTH INVENTOR: KENNET	TH A. SMITH
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 333 Dominion, Apartment 1334 Katy, Texas 77450	
CITIZENSHIP: U.S.A.	
POST OFFICE ADDRESS: (Same as Residence)	
FULL NAME OF EIGHTH INVENTOR: TING GU	DATE: 4/1/03
INVENTOR'S SIGNATURE:	DATE: 71 1105
RESIDENCE: 2612 Calder Court Davis, California 95616	
CITIZENSHIP: CHINA	
FOST OFFICE ADDRESS: (Same as Residence)	
FULL NAME OF NINTH INVENTOR: PAVEL NI	KOLAEV
INVENTOR'S SIGNATURE:	DATE:
RESIDENCE: 2232 ½ TROON Houston, Texas 77019	
CITIZENSHIP: RUSSIA	
POST OFFICE ADDRESS: (Same as Residence)	

FULL NAME OF TENTH INVENTOR: ANDREAS THESS

INVENTOR'S SIGNATURE:

DATE:_

RESIDENCE: Max-Planck-Institut Biochemie; Abteilung Molekulace,

Strukturbiologie am Klopferspitz 189, D-82152 Martinsried, Germany

CITIZENSHIP: GERMANY

POST OFFICE ADDRESS: (Same as Residence)

AUSTIN_1\208783\1 11521-P011WUC1 02/19/2003



AMENDED DECLARATION AND POWER OF ATTORNEY FOR U.S. NATIONAL PHASE PATENT APPLICATION CLAIMING PRIORITY TO PCT APPLICATION (37 CFR 1.63)

RECEIVED

JUL 1 4 2003

As below named inventors, we hereby declare that:

GROUP 1700

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MACROSCOPICALLY MANIPULATE NANOSCALE DEVICES MADE FROM NANOTUBE ASSEMBLIES

the specification of which:

- ☐ is attached hereto; or
- was filed on November 30, 2001 as a Continuation Application Number 10/000,746 (Attorney Docket No. 11321-P011WUC1) of U.S. National Phase of 09/242,040 and PCT Application Number PCT/US97/13896 which published as WO 98/05920 on February 12, 1998, corresponding to United States Provisional Patent Application No. 60/023,732, filed August 8, 1996.

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10/027,726	11321-P011C1D8	Divisional	December 21, 2001
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10/027,668	11321-P011CD10	Divisional	December 21, 2001
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				Yes	No
[ORIGINAL BASE/PRIORITY APPLICATION]					×

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PCT/US97/13896	8 August 1997	WO 98/05920

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Robert C. Shaddox, Reg. No. 34,011
Henry L. Ehrlich, Reg. No. 39,663
Timothy M. Donoughue, Reg. No. 46,668
Reece A. Scott, Reg. No. 41,297
Edward T. Mickelson, Reg. No. 50,413

of the law firm of WINSTEAD SECHREST & MINICK P.C. Please direct all correspondence to:

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FULL NAME OF	FIRST INVENTOR:	COLBERT, Daniel T.	
INVENTOR'S SIG	NATURE:	I	DATE:
RESIDENCE:	1911 Milford St., I	Houston, TX 77098 USA	
CITIZENSHIP:	United States of A	merica	

FULL NAME OF S	ECOND INVENTOR:	DAI, Hongjie	•	
INVENTOR'S SIGN	NATURE:	·	DATE:	
RESIDENCE:	365 Pescadero Terr	race, Sunnyvale, CA)4086 USA	
CITIZENSHIP:	United States of An	nerica	· .	·.
POST OFFICE ADI	DRESS: (Same as Res	sidence)		
	And the second second			
FULL NAME OF T	HIRD INVENTOR:	HAFNER, Jason H	•	
INVENTOR'S SIGN	NATURE:	2	DATE:	
:	373 Highland Ave.		ssachusetts 021	44 USA
	United States of Ar	1.	÷	
POST OFFICE AD	DRESS: (Same as Re	sidence)	•	
	OURTH INVENTOR		v G.	
INVENTOR'S SIGN	NATURE:	•	DATE:	
RESIDENCE:	1713 SW 186 th St.,	Newberry, Florida 32	669 USA	•
CITIZENSHIP:	United States of Ar	nerica		
POST OFFICE AD	DRESS: (Same as Re	sidence)	: ,	
		·		
FULL NAME OF F	IFTH INVENTOR:	SMALLEY, Richa	rd E.	
INVENTOR'S SIGN	NATURE:		DATE:	
RESIDENCE:	1816 Bolsover St.,	Houston, TX 77081 U	SA	
CITIZENSHIP:	United States of Ar	merica	·	
POST OFFICE AD	DRFSS+ (Same as Re	sidence)		

Attorney Docke 11321-P011 Ser	,			
FULL NAME C	F SIXTH INVENTOR: JIE LIU			
INVENTOR'S S	GIGNATURE:	DATE:	<u> </u>	· ·
RESIDENCE:	5825 Gulfton, Apartment 3214 Houston, Texas 77081			- ; ;
CITIZENSHIP:	U.S.A.		• •	
POST OFFICE	ADDRESS: (Same as Residence)		: :	
FULL NAME C	F SEVENTH INVENTOR: KENNETH	A. SMITH		:·
INVENTOR'S S	IGNATURE:	DATE:_	: .	7.3
RESIDENCE:	333 Dominion, Apartment 1334 Katy, Texas 77450	·		. 2
CITIZENSHIP:	U.S.A.		.7	r
POST OFFICE	ADDRESS: (Same as Residence)			:
FULL NAME C	F EIGHTH INVENTOR: TING GUO			
INVENTOR'S S	SIGNATURE:	DATE:		
RESIDENCE:	2612 Calder Court Davis, California 95616	·		٠
CITIZENSHIP:	CHINA		. •	
POST OFFICE	ADDRESS: (Same as Residence)			;
FULL NAME C	F NINTH INVENTOR: PAVEL NIKOI	LAEV		
INVENTOR'S S	DN	_ DATE: 2.1	21:03	. *
RESIDENCE:	2232 XTROON 614 Kip	ling #9 . tx 77006	NA	٠
CITIZENSHIP:				

FULL NAME OF TENTH INVENTOR: ANDREAS THESS

INVENTOR'S SIGNATURE: DATE:

RESIDENCE: Max-Planck-Institut Biochemie; Abteilung Molekulace,

Strukturbiologie am Klopferspitz 189, D-82152 Martinsried, Germany

CITIZENSHIP: GERMANY

POST OFFICE ADDRESS: (Same as Residence)

AUSTIN_1\208783\1 11321-P011WUCI 02/19/2003

RECEIVED
JUL 1 4 2003
GROUP 1703

Attorney Docket No. 11321-P011 Series



AMENDED DECLARATION AND POWER OF ATTORNEY FOR U.S. NATIONAL PHASE PATENT APPLICATION CLAIMING PRIORITY TO PCT APPLICATION (37 CFR 1.63)

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tha	cnacif	ication	of w	hich.
ıne	specii	ication	or w	nich:

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10/027,628	11321-P011C1D9	Divisional	December 21, 2001
10/027,668	11321-P011CD10	Divisional	December 21, 2001
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				Yes	No .
[ORIGINAL BASE/PRIORITY APPLICATION]					×
v j					

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Official Filing Date
August 8, 1996

We hereby claim the benefit for each of the Applications under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/US97/13896	8 August 1997	WO 98/05920

For each of the Divisional Patent Applications, we further claim the benefit under 35 U.S.C. 120 of United States Patent Application Serial No. 10/000,746, and, insofar as the subject matter of each of the claims of any of the Divisional Patent Application is not disclosed in the this prior United States application in the manner provided by the first paragraph of 35 U.S.C. 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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